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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/840,085

DATE: 05/07/2001
 TIME: 17:51:39

Input Set : A:\Yu5099us.app
 Output Set: N:\CRF3\05072001\I840085.raw

#2
 ENTERED
 see p.5

3 <110> APPLICANT: Schepartz Shrader, Alanna
 4 Chin, Jason W. K.
 5 Zutshi, Reena
 6 Rutledge, Stacey E.
 7 Kehlbeck Martin, Joanne D.
 8 Zondlo, Neal J.
 10 <120> TITLE OF INVENTION: DNA and Protein Binding Miniature Proteins
 12 <130> FILE REFERENCE: 44574-5099-US
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/09/840,085
 C--> 15 <141> CURRENT FILING DATE: 2001-04-24
 17 <150> PRIOR APPLICATION NUMBER: US 60/199,408
 18 <151> PRIOR FILING DATE: 2000-04-24
 20 <150> PRIOR APPLICATION NUMBER: US 60/240,566
 21 <151> PRIOR FILING DATE: 2000-10-13
 23 <150> PRIOR APPLICATION NUMBER: US PROVISIONAL
 24 <151> PRIOR FILING DATE: 2001-01-13
 W--> 26 <150> PRIOR APPLICATION NO: US PROVISIONAL
 27 <151> PRIOR FILING DATE: 2001-02-23
 29 <160> NUMBER OF SEQ ID NOS: 73
 31 <170> SOFTWARE: PatentIn Ver. 2.1
 33 <210> SEQ ID NO: 1
 34 <211> LENGTH: 24
 35 <212> TYPE: DNA
 36 <213> ORGANISM: Artificial Sequence
 38 <220> FEATURE:
 39 <223> OTHER INFORMATION: Description of Artificial Sequence: Recognition
 40 site of hSCRE24 protein
 42 <400> SEQUENCE: 1
 43 agtggagatg acagctactc gtgc 24
 46 <210> SEQ ID NO: 2
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 48 <212> TYPE: DNA
 49 <213> ORGANISM: Artificial Sequence
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: Description of Artificial Sequence: Recognition
 53 site of hSCBP24 protein
 55 <400> SEQUENCE: 2
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 59 <210> SEQ ID NO: 3
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 61 <212> TYPE: DNA
 62 <213> ORGANISM: Artificial Sequence
 64 <220> FEATURE:
 65 <223> OTHER INFORMATION: Description of Artificial Sequence: Recognition
 66 site of CRE24 protein
 68 <400> SEQUENCE: 3
 69 agtggagatg acgtcatctc gtgc 24

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79     site of CEBP24 protein
81 <400> SEQUENCE: 4
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86 <211> LENGTH: 24
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: Competitor
92     site in recognition studies
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99 <211> LENGTH: 36
100 <212> TYPE: PRT
101 <213> ORGANISM: Artificial Sequence
103 <220> FEATURE:
104 <223> OTHER INFORMATION: Description of Artificial Sequence: Segment of
105     avian pancreatic polypeptide
107 <400> SEQUENCE: 6
108 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
109   1           5           10           15
111 Leu Ile Arg Phe Tyr Asn Asp Leu Gln Tyr Leu Asn Val Val Thr
112       20           25           30
114 Arg His Arg Tyr
115       35
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 27
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121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of Artificial Sequence: Segment of
125     GCN4 protein
127 <400> SEQUENCE: 7
128 Asp Pro Ala Ala Leu Lys Arg Ala Arg Asn Thr Glu Ala Ala Arg Arg
129   1           5           10           15
131 Ser Arg Ala Arg Lys Leu Gln Arg Met Lys Gln
132       20           25
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136 <211> LENGTH: 39
137 <212> TYPE: PRT
138 <213> ORGANISM: Artificial Sequence
140 <220> FEATURE:

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141 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic
142     polypeptide basic region PPBR0
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145 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
146   1           5           10           15
148 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Tyr Leu Ser Val Val Arg
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151 Lys Leu Gln Arg Met Lys Gln
152   35
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156 <211> LENGTH: 39
157 <212> TYPE: PRT
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic
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164 <400> SEQUENCE: 9
165 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
166   1           5           10           15
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169   20           25           30
171 Lys Ala Ala Arg Ala Ala Ala
172   35
175 <210> SEQ ID NO: 10
176 <211> LENGTH: 39
177 <212> TYPE: PRT
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180 <220> FEATURE:
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182     polypeptide basic region PPBR11
184 <400> SEQUENCE: 10
185 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
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188 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Leu Ser Arg Leu Arg
189   20           25           30
191 Lys Ala Ala Arg Ala Ala Ala
192   35
195 <210> SEQ ID NO: 11
196 <211> LENGTH: 39
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198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic
202     polypeptide basic region PPBR2
204 <400> SEQUENCE: 11
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208 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg
209   20           25           30

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211 Lys Leu Gln Arg Met Lys Gln
212      35
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221 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic
222      polypeptide basic region PPBR4
224 <400> SEQUENCE: 12
225 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
226      1          5          10          15
228 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg
229      20          25          30
231 Lys Ala Ala Arg Ala Ala Ala
232      35
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 27
237 <212> TYPE: PRT
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Description of Artificial Sequence: G27
243 <400> SEQUENCE: 13
244 Asp Pro Ala Ala Leu Lys Arg Ala Arg Asn Thr Glu Ala Ala Arg Arg
245      1          5          10          15
247 Ser Arg Ala Arg Lys Leu Gln Arg Met Gln Cys
248      20          25
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252 <211> LENGTH: 39
253 <212> TYPE: PRT
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: Pancreatic
258      polypeptide basic region PPBR4-delta
260 <400> SEQUENCE: 14
261 Gly Pro Ser Gln Pro Thr Tyr Pro Gly Asp Asp Ala Pro Val Glu Asp
262      1          5          10          15
264 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Leu Arg
265      20          25          30
267 Lys Ala Ala Arg Ala Ala Ala
268      35
271 <210> SEQ ID NO: 15
272 <211> LENGTH: 35
273 <212> TYPE: PRT
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Variant
278      pancreatic polypeptide basic region, Library A
280 <220> FEATURE:

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281 <221> NAME/KEY: VARIANT
282 <222> LOCATION: (1)..(7)
283 <223> OTHER INFORMATION: Xaa at positions 1, 4 and 7 = any amino acid.
285 <400> SEQUENCE: 15
W--> 286 Xaa Pro Ser Xaa Pro Thr Xaa Pro Gly Asp Asp Ala Pro Val Glu Asp
      287   1             5             10             15
289 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg
290             20             25             30
292 Lys Ala Ala
293             35
296 <210> SEQ ID NO: 16
297 <211> LENGTH: 35
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence: Variant
303     pancreatic polypeptide basic region, Library B
305 <220> FEATURE:
306 <221> NAME/KEY: VARIANT
307 <222> LOCATION: (2)..(7)
308 <223> OTHER INFORMATION: Xaa at positions 2, 4, 5 and 7 can be any amino
309     acid.
311 <400> SEQUENCE: 16
W--> 312 Gly Xaa Ser Xaa Xaa Thr Xaa Pro Gly Asp Asp Ala Pro Val Glu Asp
      313   1             5             10             15
315 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg
316             20             25             30
318 Lys Ala Ala
319             35
322 <210> SEQ ID NO: 17
323 <211> LENGTH: 35
324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Description of Artificial Sequence: Variant
329     pancreatic polypeptide basic region, Lib. B, clone
330     007
332 <400> SEQUENCE: 17
333 Gly Gly Ser Arg Ala Thr Met Pro Gly Asp Asp Ala Pro Val Glu Asp
334   1             5             10             15
336 Leu Lys Arg Phe Arg Asn Thr Leu Ala Ala Arg Arg Ser Arg Ala Arg
337             20             25             30
339 Lys Ala Ala
340             35
343 <210> SEQ ID NO: 18
344 <211> LENGTH: 35
345 <212> TYPE: PRT
346 <213> ORGANISM: Artificial Sequence
348 <220> FEATURE:

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

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Input Set : A:\Yu5099us.app

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L 14 M:270 C: Current Application Number differs, Replaced Application Number
L 15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L 26 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER
L 286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L 312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L 562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L 599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L 693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L 795 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L 796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45
L.1231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69